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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,797	12/06/2004	Katsunori Yanashima	075834.00397	7316
33448	7590 10/12/2006		EXAMINER	
ROBERT J	. DEPKE	CHEN, BRET P		
LEWIS T. ST				
ROCKEY, D	EPKE, LYONS AND K	ART UNIT	PAPER NUMBER	
SUITE 5450	SEARS TOWER	1762		
CHICAGO, IL 60606-6306			DATE MAILED: 10/12/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/516,797	YANASHIMA ET AL.				
		Examiner	Art Unit				
		B. Chen	1762				
	The MAILING DATE of this communication ap		correspondence address				
Period fo		VIO OET TO EVOIDE «MONTI	((0) OD THETY (00) DAYO				
WHIC - Exten after: - If NO - Failur Any n	DRTENED STATUTORY PERIOD FOR REPL HEVER IS LONGER, FROM THE MAILING D sions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period e to reply within the set or extended period for reply will, by statutely received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be to will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	DN. imely filed m the mailing date of this communication. ED (35 U.S.C. § 133).				
Status							
1)	Responsive to communication(s) filed on						
·	-	— s action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)🖂	4)⊠ Claim(s) <u>1,2 and 5-12</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)□	Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>1,2 and 5-12</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)□	8) Claim(s) are subject to restriction and/or election requirement.						
Application	on Papers						
9)□ -	The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. So	ee 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)[The oath or declaration is objected to by the E	xaminer. Note the attached Offic	e Action or form PTO-152.				
Priority u	nder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
* 9	application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
J	·	tor the certified copies not receive	eu.				
Attachment	` '		(272 //2)				
	Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 1) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) 🔲 Infom							

DETAILED ACTION

Claims 1-2, 5-12 are pending in this application, which is an RCE of Serial Number 10/516797. Amended claims 1, 7, 11-12 are noted.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/21/06 has been entered.

Claim Rejections - 35 USC § 112

Claims 1-2, 5-12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 1 lines 6-7 and 12-13, the phrases "exclusively providing the vaporized first organic material and the first carrier gas stream into a chamber containing the substrate" and "exclusively providing the vaporized second organic material and the second carrier gas stream into a chamber containing the substrate" is deemed new matter as there is no support in the original specification which recited exclusively providing an organic material.

The same issue applies to claims 7, 11-12.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-2, 5-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tera et al. (2001/0031379). Tera discloses a method of forming an organic EL (electroluminescent) device in which an organic luminescent material is dispose between a pair of electrodes and deposited on a substrate (paragraph 3). The pair of electrodes can be an anode and a cathode (paragraphs 29 and 31). The deposition of the organic luminescent materials is repeated to form two distinct layers 3, 4 (paragraph 61). In one embodiment, tetratriphenylamine (TPTE) is deposited on the anode to form a hole transporting layer 3 which is subsequently doped with tris (8-quinolinol) aluminum (Alq) to form an organic luminescent layer 4 (paragraph 30). However, the reference fails to specifically teach that the organic materials are exclusively provided by a carrier gas.

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It is well known in the vapor deposition art to utilize a carrier gas to increase the amount of precursor available for a more efficient reaction. Indeed, Tera teaches that trimethylaluminum is vaporized and transferred into the reaction furnace by a carrier gas such as nitrogen (paragraph 38). It would have been obvious to incorporate the use of a carrier gas for the formation of the organic luminescent layers in Tera with the expectation of obtaining a more efficient deposition.

The limitations of claims 2 and 5-12 have been addressed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to B. Chen whose telephone number is (571) 272-1417. The examiner can normally be reached on 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Bc 9/26/06

BRET CHEN
PRIMARY EXAMINER